

atggggaaaa cagtcgttgg ggccagtagg atgttctggc taatgttttt cgtgccgctt 60  
 cttcttgccg tctgccccag cgagcccgcg catgccctgg caccgggac gagccgagtt 120  
 gagctgttta agcggcaag ctcgaagggt ccatttgaaa agggcggcaa agtcaccgag 180  
 cgggttgttc actcgttccg cctccccgcg cttgttaatg tggacggggt gatgggtgac 240  
 atcgccgacg ctcgctacga aacatccaat gacaactccc tcattgatac ggtggcgaag 300  
 tacagcgtgg acgatgggga gacgtgggag acccaaatg ccatcaagaa cagtcgtgca 360  
 tcgtctgttt ctcgtgtggt ggatcccaca gtgattgtga agggcaacaa gctttaogtc 420  
 ctggttgga gctacaacag ttcgaggagc tactggacgt cgcattggtg tgcgagagac 480  
 tgggatatcc tgcttgccgt tggtagggtc acgaagtcca ctgcccggcg cagataact 540  
 gcgagtatca aatgggggag ccccggtgca ctgaaggaa ttttcccggc ggaatggaa 600  
 ggaattgca ccaatcaatt tcttgccgtt gcagggtgtt ccattgtggc gtccaacggg 660  
 aatcttgtgt accctgtgca ggttacgaac aaaaagaagc aagttttttc caagatcttc 720  
 tactcggaag acgagggcaa gacgtggaag tttggggagg gtaggagtg ttttggtgct 780  
 tctgaacctg tggcccttga gtgggagggg aagctcatca taacactcg agttgactat 840  
 cgccctccg cgtgtgtgac gtccagtac atggggaatt cgtgggtgga ggctgtcgcc 900  
 acgctctcac gttgtgtggg cccctcacca aaatcgaaac agccggcgag tcagagcagc 960  
 ttcaactgcc tgaccatcga gggaatgctt gttatgctct tcacacaccc gctgaatttt 1020  
 aagggaaggt ggctgcgca cccactgaa cctctggctg cggataacca gcgcatatt 1080  
 aacgttgagg aagttaccat tgggtgagac aattccgctt acagctccgt cctgtacaag 1140  
 gatgataagc tgtactgttt gcatgagatc aacagtaacg aggtgtacag ccttgttttt 1200  
 ggcgcctgg ttggcgagct acggatcatt aaatcagtgc tgcagtcctg gaagaattgg 1260  
 gacagccacc tgtccagcat ttgacccctt gctgatccag ccgcttcgtc gtcagagcgt 1320  
 ggttgtggtc cggctgtcac caggttgtgt cttgttggtt tttgtcgca cagtgccacc 1380  
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 gggcagaccg ttgtgcccag cgggaggagc cctgacatct ccaacttcta cgttggcggg 1860  
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 aacgctcagc tgaatgcccga ggagatcagg accttgttct tgagccagga cctgattggc 1980  
 acggaagcac acatgggcag cagcagcggc agcagtgcc acagtaacgc ctcaactccc 2040  
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 ccctcgactc cggctgacaa cgggtgeccac agtacgccc caactccgc tgacaacggt 2340  
 gcccacagta cggcctcgac tcccgggtgac aacgggtgcc acagtaacgc ctgcactccc 2400  
 ggtgacagca gtgcccacag taagccctca actcccgtg acaacgggtg ccacagtaac 2460  
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 gctgacagca gtgcccacag taagccctca gctcccgtg acaacgggtg ccacagtaac 2640  
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 gcccacagta cggcctcagc tcccgtgac aacgggtgcc acagtaacgc ctgcactccc 2760  
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 gcccacagta cggcctcagc tcccgtgac agcagtgcc acagtaacgc ctcaattccc 2940  
 ggtgacagca gtgcccacag taagccctca gctcccgtg acagcagtgc ccacagtaac 3000  
 ccctcagctc cgggtgacaa cgggtgeccac agtacgccc cgaactccgc tgacaacggc 3060  
 gctaattgta cgggtttgat tttgcacgat ggcgtgcat tttcgccctt ttcgggcgga 3120  
 gggctctctt tgtgtgcccg tgttttgcgt cgcacgtgt tcgttatggc agtttttttc 3180  
 tga

FIG. 1

MGKTVVGASRMFWLMFFVPLLLALCPSEPAHALAPGSSRVELFK  
RQSSKVPFEKGGKVTERVVHSFRLPALVNVDGVMVAIADARYETSNDNSLIDTVAKYS  
VDDGETWETQIAIKNSRASSVSRVVDPTVIVKGNKLYVLVGSYNSSRSYWTSHGDARD  
WDILLAVGEVTKSTAGGKITASIKWGSPVSLKEFFPAEMEGMHTNQFLGGAGVAIVAS  
NGNLVYPVQVTNKKKQVFSKIFYSEDEGKTWKFGEGRSDFGCSEPVALEWEGKLIINT  
RVDYRRRLVYESSDMGNSWVFAVGTLRSRVWGPPSPKSNQPGSQSSFTAVTIEGMRVMLF  
THPLNFKGRWLRDRLNLWLTDNQRIYNVGQVSI GDENSAYSSVLYKDDKLYCLHEINS  
NEVYSLVFARLVGELRIIKSVLQSWKNWDSHLSSICTPADPAASSSERGCCPAVTTVG  
LVGFLSHSATKTEWEDAYRCVNA STANAERVPNGLKFAGVGGGALWPFVSQOGONQRYH  
FANHAF TLVASVTIHEVPSVASPLL GASLDSSGGKKLLGLSYDEKHQWQPIYGSTPVT  
PTGSWEMGKRYHVVLTMANKIGSVYIDGEPLEGGSGQTVVPDGRTPDISHFYVGGYGRS  
DMPTISHVTVNNVLLYNRQLNAEEIRTLELSQDLIGTEAHMGSSSGSSAHSTPSTPAD  
NGAHSTPSTPADSSAHSTPSTPADSSAHSTPSAPGDNGAHSTPSTPGDSSAHSTPSTP  
ADNGAHSTPSAPADSNAHSTPSTPADNGAHSTPSTPADNGAHSTPSTPGDNGAHSTPS  
TPGDSSAHSTPSTPADNGAHSTPSAPADSNAHSTPSTPGDNGAHSTPSAPADSNAHST  
PSTPADSSAHSTPSAPGDNGAHSTPSAPADSSAHSTPSAPGDNGAHSTPSAPADNGAH  
STPSAPGDSNAHSTPSTPADSSAHSTPSTPADSSAHSTPSAPGDNGAHSTPSAPADSS  
AHSTPSIPGDSSAHSTPSAPADSSAHSTPSAPGDNGAHSTPSTPADNGANGTVLILHD  
GAAFSAFSGGGLLLCAGALLLHVFMVAVFF

FIG. 2

T02T60" 605560

atgctggcac	ccggatcgag	ccgagttgag	ctgtttaagc	ggcaaagctc	gaaggtgcca
tttgaaaagg	acggcaaagt	caccgagcgg	gttgtccact	cggtccgcct	ccccgccctt
gttaatgtgg	acggggtgat	ggttgccatc	gcggacgctc	gctacgaaac	atccaatgac
aactccctca	ttgatacggt	ggcgaagtac	agcgtggacg	atggggagac	gtgggagacc
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attgtgaagg	gcaacaagct	ttacgtcctg	gttggaagct	acaacagttc	gaggagctac
tggacgtcgc	atggtgatgc	gagagactgg	gataattctgc	ttgccgttgg	tgaggtcacg
aagtccactg	cgggcgggcaa	gataactgcg	agtatcaaat	gggggagccc	cgtgtcactg
aaggaatttt	ttccggcgga	aatggaagga	atgcacacaa	atcaatttct	tggcggtgca
ggtgttgcca	ttgtggcgtc	caacgggaat	cttgtgtaco	ctgtgcaggt	tacgaacaaa
agaagcaag	ttttttccaa	gatcttctac	tcggaagacg	agggaagac	gtggaagttt
gggaagggtg	ggagcgcttt	tggctgctct	gaacctgtgg	cccttgagtg	ggaggggaag
ctcatcataa	acactcgagt	tgactatcgc	cgccgtctgg	tgtacgagtc	cagtgcacatg
gggaattcgt	ggctggaggc	tgtcggcacg	ctctcacgtg	tgtggggccc	ctcaccaaaa
tcgaaccagc	ccggcagtca	gagcagcttc	actgccgtga	ccatcgaggg	aatgcgtggt
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tggctgacgg	ataaccagcg	cattttataac	gttgggcaag	tatccattgg	tgatgaaaat
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gagaggcacc	agtggcagcc	aatatacgga	tcaacgccgg	tgacgccgac	cggatcgtgg
gagatgggta	agaggtacca	cgtggttctt	acgatggcga	ataaaattgg	ctccgagtac
attgatggag	aacctctgga	gggttcaggg	cagaccgttg	tgccagacga	gaggacgcct
gacatctccc	acttctacgt	tggcgggtat	aaaaggagtg	atatgccaac	cataagccac
gtgacgggtga	ataatgttct	tctttacaac	cgtcagctga	atgccgagga	gatcaggacc
ttgttcttga	gccaggacct	gattggcacg	gaagcacaca	tggacagcag	cagcgacacg
agtgcctga					

FIG. 3

MLAPGSSRVELFKRQSSKVPFEKDGKVTERVVHSFRLPALVNVD  
GVMVALADARYETSNDNSLIDTVAKYSVDDGETWETQIAIKNSRASSVSRVVDPTVIV  
KGNKLYVLVGSYNSSRSYWTSHGDARDWDILLAVGEVTKSTAGGKITASIKWGSFVSL  
KEFFPAEMEGMHTNQFLGGAGVAIVASNGNLVYPVQVTNKKKQVFSKIFYSEDEGKTW  
KEGKGRSAFGCSEPVALEWEGKLIINTRVDYRRRLVYESSDMGNSWLEAVGTLSRVWG  
PSPKSNQPGSQSSFTAVTIEGMRVMLFTHPLNFKGRWLRDRNLWLTDNQRIYNVGQV  
SIGDENSAYSSVLYKDDKLYCLHEINSNEVYSLVFARLVGELRIIKSVLQSWKNWDSH  
LSSICTPADPAASSSERGCCPAVTTVGLVGFLSHSATKTEWEDAYRCVNASTANAERV  
PNGLKFAGVGGGALWPVSQOGQNQRYRFANHAFTVVASVTIHEVPSVASPLLGLASLDS  
SGGKLLGLSYDERHQWQPIYGSTPVTPTGSWEMGKRYHVLTMANKIGSEYIDGEPL  
EGSGQTVVPDERTPDISHFYVGGYKRSMDPTISHVTVNNVLLYNROLNAEEIRTLELS  
QDLIGTEAHMDSSSDTSA

FIG. 4

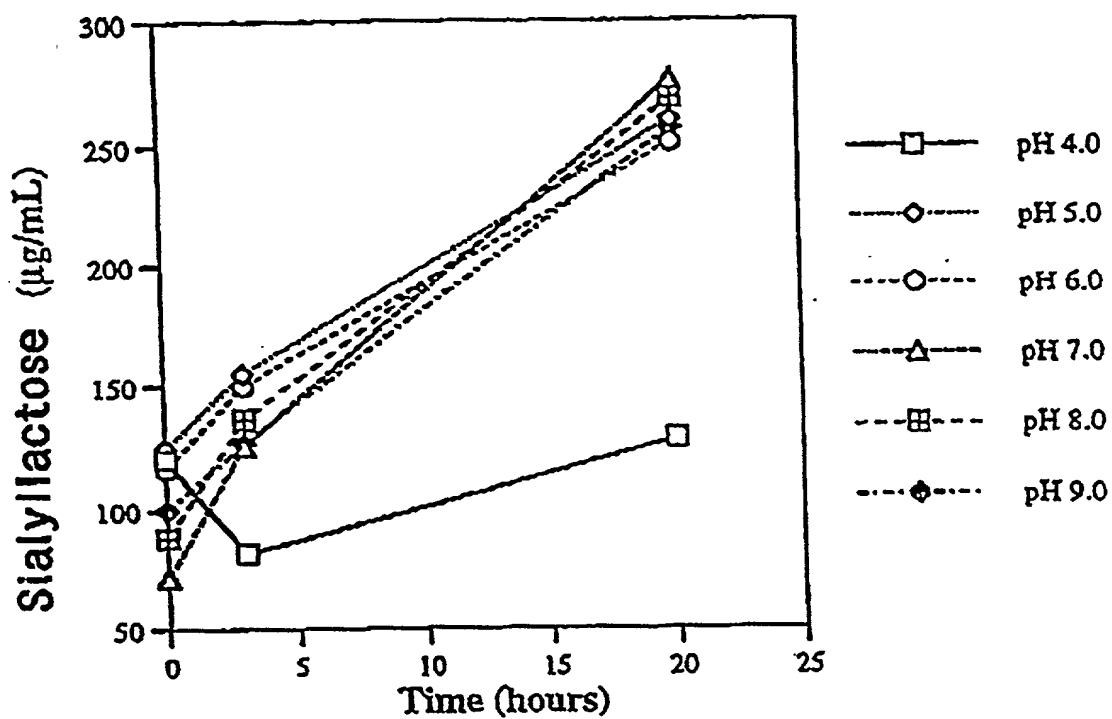


FIG. 5

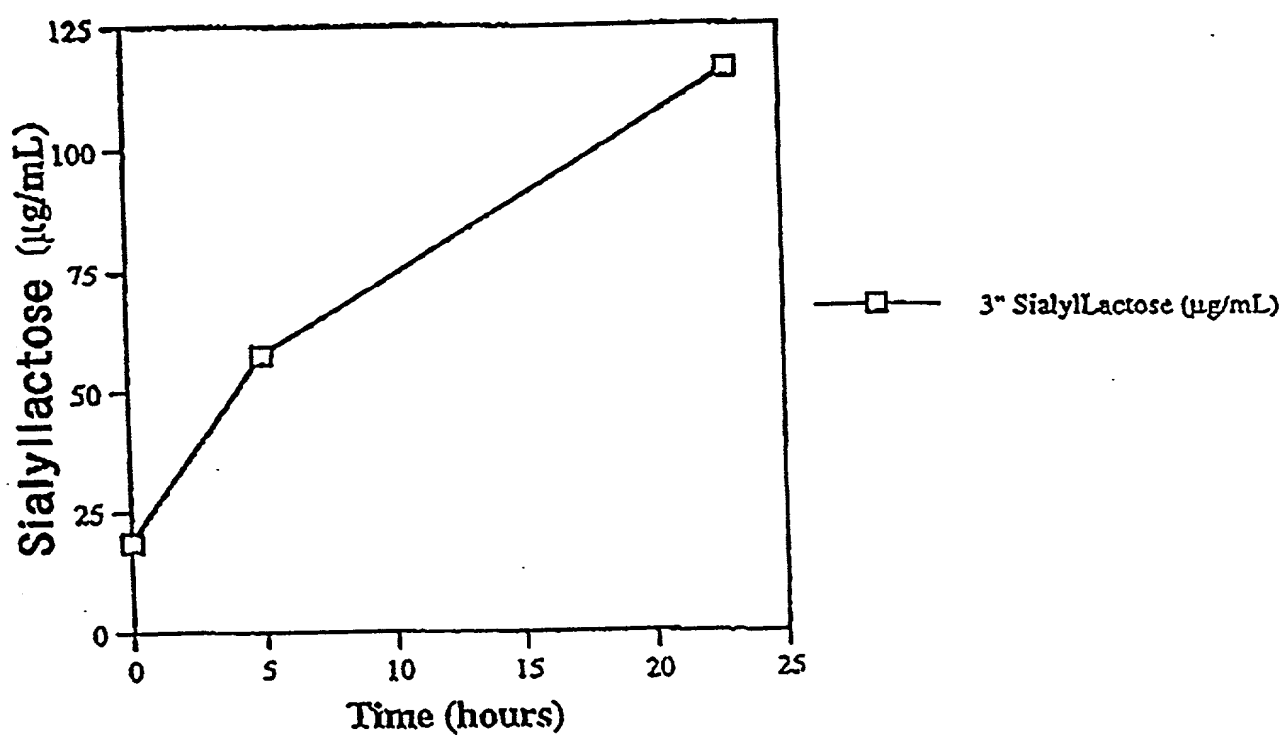


FIG. 6

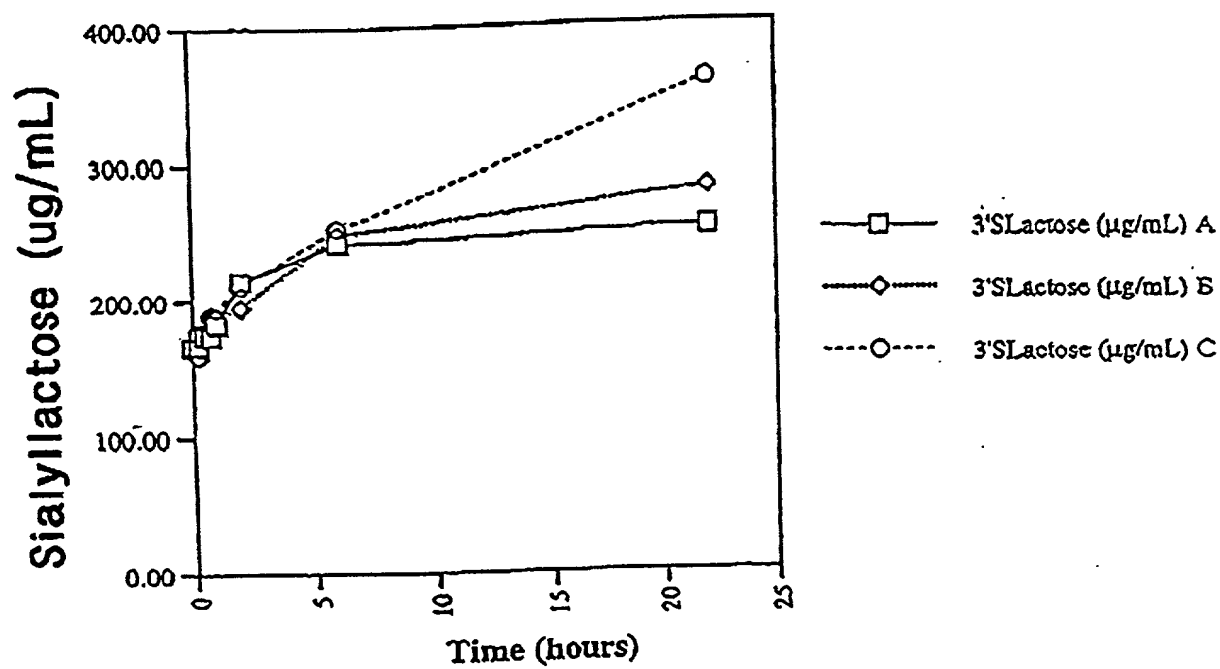


FIG. 7A

0955560" 6065960

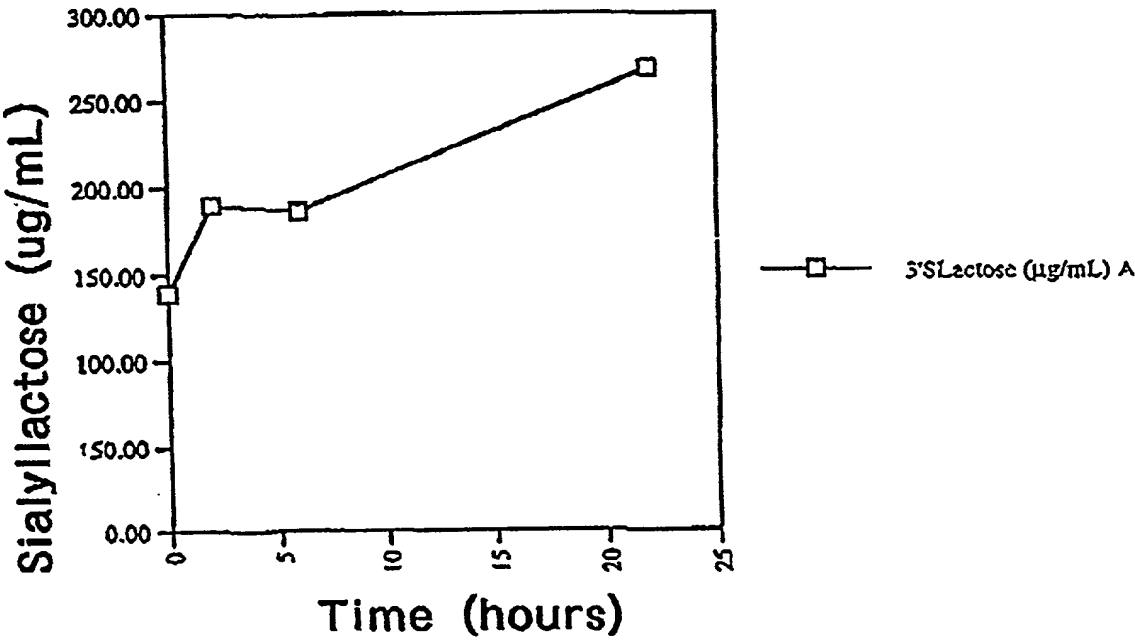


FIG. 7B



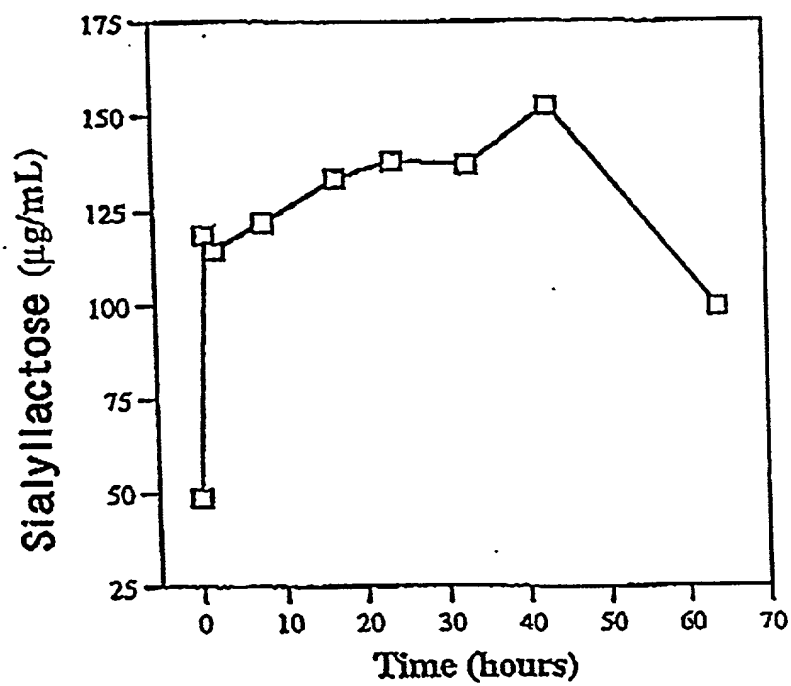


FIG. 8

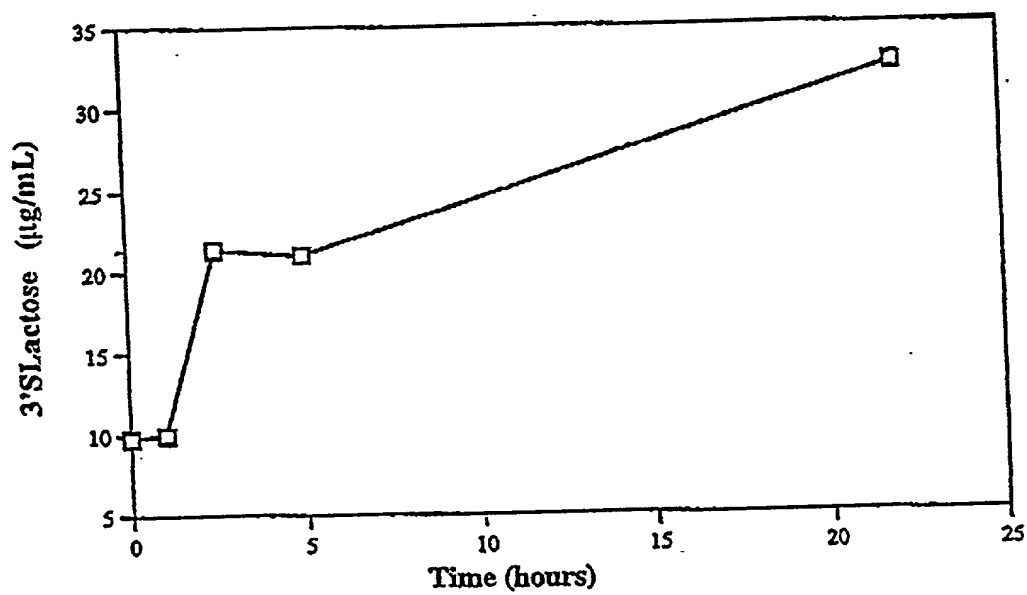


FIG. 9